MATERIAL SAFETY DATA SHEET
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1998)

SECTION 1: Chemical Product & Company Identification

Product Name: CAPSUR®
Chemical Name: Aromatic hydrocarbon mixture

Manufacturer Name & Address: **INTEGRATED CHEMISTRIES**
P.O. Box 10558
White Bear Lake, MN 55110

Telephone Contact Number & Hours of Operation: (651) 426-3224, 8 a.m. - 5 p.m. Central Standard Time
Website/E-mail: www.integratedchemistries.com / info@integratedchemistries.com
Emergency Telephone Contact Number: CHEM-TEL, INC.
Domestic: 800-255-3924
International: 813-248-0585

SECTION 2: Composition/Information on Ingredients

The exact identity of the ingredients of this product are considered confidential because they are a trade secret. The hazards associated with these ingredients are addressed in this document. For specific information on these trade secret ingredients, assistance or information on the management of exposures or spills, please call PROSAR at 1-800-228-5635. The occupational exposure limits listed below apply to this product.

		OSHA PEL		**ACGIH TLV**	
Hazardous Ingredients(*):	CAS No.	TWA	STEL	TWA	STEL
Naphthalene	91-20-3	10 ppm	NE	10 ppm	15 ppm
Trimethylbenzenes	25551-13-7	NE	NE	25 ppm	NE
Ethylene glycol monobutyl ether(skin)	111-76-2	50 ppm	NE	20 ppm	NE
Monoethanolamine	141-43-5	3 ppm	NE	3 ppm	6 ppm
Potassium hydroxide	1310-58-3	NE	NE	NE	2 $mg/m^{3(C)}$
Cyclohexanol(skin)	108-93-0	50 ppm	NE	50 ppm	NE

*all ingredients in quantities > 1.0 % (0.1 % for carcinogens) that are **potentially** hazardous per OSHA definitions
NDA = no data available

NE = not established

Skin -potentially harmful amounts can be absorbed through the skin

C -ceiling value

Some States enforce the PEL's that OSHA promulgated in 1989, which were subsequently vacated by the U.S. Supreme Court. Check with your State OSHA agency to determine which PEL is enforced in your jurisdiction.

SECTION 3: Hazards Identification EMERGENCY OVERVIEW

Physical description: Clear green liquid

Odor: mild solvent odor

Potential Health Effects: WARNING! Causes eye and skin irritation. Vapors and mists are expected to cause upper respiratory tract irritation with coughing and nasal discharge. Vapors and mists may cause central nervous system depression with dizziness, drowsiness and incoordination. Harmful amounts may be absorbed through the skin. May be harmful or fatal if swallowed-potential aspiration hazard. Repeated or prolonged occupational exposure to solvents has been associated with permanent brain and nervous system damage. Repeated or prolonged exposure may cause skin allergic reactions and defatting of the skin (which can cause dermatitis). Personnel responding to a spill of this material should wear appropriate personal protective equipment.

Fire Fighting Measures: **Combustible liquid and vapor**. Keep away from heat, sparks or open flames.

NFPA RATING:	Health - 2	Flammability - 2	Reactivity - 1	Special-NDA
HMIS RATING:	Health - 2	Flammability - 2	Reactivity - 1	Protective Equipment - X

SECTION 4: First Aid Measures

Skin Contact: Remove contaminated clothing. Flush affected area with water for at least 15 minutes. Wash affected area with mild soap and water. Seek medical attention if symptoms develop and persist.
Ingestion: Immediately rinse mouth out and give sips of water (NEVER give anything by mouth to an unconscious person). DO NOT INDUCE VOMITING. Seek medical attention immediately.
Eye Contact: Immediately flush with plenty of water. Remove contact lenses (if easy to do) and continue flushing for at least 15 minutes. Seek medical attention immediately.

Inhalation: Remove to fresh air. Seek medical attention if breathing becomes difficult.

Antidotes/Notes to Physicians: No known antidote. This product is potentially an aspiration hazard.

SECTION 5: Fire Fighting Measures

Flashpoint: 145° F (63° C) COC

Autoignition temperature: NDA

Flammable Limits: LEL: 0.5 UEL: 6.0

Extinguishing media: Use water spray, fog, regular foam, dry chemical or carbon dioxide

Hazardous products of combustion: Carbon monoxide, carbon dioxide, nitrogen containing compounds (NO_2, NO_x), sulfur containing compounds (SO_2, SO_x)

Unusual fire and explosion hazards: Combustible liquid and vapor. Keep away from heat, sparks and flame. Containers may explode when heated. Cool containers exposed to heat and flame with water spray. When heated, vapors may form explosive mixtures with air and pose an explosion hazard indoors, outdoors, and in sewers. Do not direct a solid stream of water or foam into the burning material as this may cause spattering and

spread the fire. Water used to extinguish a fire should not be allowed to enter the drainage system.

Protective Equipment: Use NIOSH/MSHA approved SCBA and full protective gear.

SECTION 6: Accidental Release Measures

Extinguish all ignition sources immediately. Do not attempt to clean up chemical spills without appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material. For small spills, absorb or cover with dry earth, sand or other non-combustible material and transfer to sealable containers for disposal. For large spills, dike around spill for later disposal. Prevent entry into waterways, sewers, basements, or confined areas. Do not get water inside containers. Ventilate area and wash spill site after material pickup is complete. See section 13 for information on the disposal of recovered material.

SECTION 7: Handling & Storage

Handling: Avoid eye and skin contact. Avoid breathing mists and vapors.

Storage: Store upright in a cool, dry, well-ventilated area out of direct sunlight. Store away from incompatible materials (see Section 10). Keep containers tightly closed at all times. Protect containers from physical damage. Do not reuse container. Use with proper personal protective equipment (see Section 8). Keep out of reach of children.

SECTION 8: Exposure Controls & Personal Protective Equipment

Engineering Controls: Use local exhaust in processing or storage areas. If any of the limits in section 2 are exceeded, local ventilation or respiratory protection may be necessary.
Skin: Protective gloves recommended to prevent skin contact. Contact glove manufacturer for more information.

Eye Protection Wear safety goggles.

Respiratory: If industrial hygiene surveys show that the exposure limits in Section 2 are exceeded, use of a NIOSH approved respirator is necessary. Seek professional advice prior to respirator selection or use. Follow OSHA respirator regulations (29 CFR 1910.134). Use a positive pressure air supplied respirator if there is a potential for an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: Physical & Chemical Parameters

Physical State: Liquid
Odor: solvent odor
Vapor Density (air = 1): 4.8
Boiling Point: 212°F (100°C)
Viscosity: NDA
Specific Gravity: 0.965-0.985 @ 60°F (16°C)
Solubility in water: Moderate

Appearance: Clear green
Vapor Pressure: Negligible
Percent Volatile by Volume: 60%
Freezing Point: NDA
Melting Point: < 32°F (0°C)
Bulk Density: NDA
pH: 11.0 (undiluted)

SECTION 10: Stability & Reactivity

Stability: Stable

Incompatible Materials and conditions to avoid: Rubber, plastic, strong acids, strong oxidizing agents, heat, temperatures approaching the flashpoint.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen containing compounds (NO_2, NO_x), sulfur containing compounds (SO_2, SO_x)

SECTION 11: Toxicological Information

There are no product-specific toxicological data available addressing either acute or chronic exposure. Exposure to this product can occur by eye and skin contact, inhalation of vapors or mists, and ingestion. Skin contact is expected to cause moderate to severe irritation. Prolonged or repeated skin contact may cause skin allergic reactions (sensitization) and defatting of the skin resulting in dermatitis. Harmful amounts may be absorbed through the skin. Absorption of large amounts may cause headache, nausea, vomiting and dizziness. Eye contact is expected to cause moderate to severe irritation. Exposure to mists or vapors is expected to cause upper respiratory tract irritation (with coughing and nasal discharge), eye irritation, and central nervous system depression (with headache, weakness, dizziness, nausea and loss of coordination and judgment. Exposure to high concentrations of mists or vapors may cause liver and kidney injury, asthmatic bronchitis, narcosis, pulmonary edema, and possibly death. Ingestion is expected to cause nausea, vomiting, and diarrhea along with severe irritation to the moth, throat, esophagus, and gastrointestinal tract. Eye changes such as cataract formation and retinal damage have been documented in animal studies following ingestion of naphthalene. Aspiration of this product into the lungs may cause chemical pneumonitis, a potentially fatal condition, which is initially characterized by coughing, choking, difficulty breathing, and possibly pulmonary edema and hemorrhage. There were no data available for this product addressing potential reproductive, developmental, mutagenic or carcinogenic effects following exposure to this product.

Ingredient Based Information: The exact ingredients of this product are considered a trade secret.

Carcinogens: None per OSHA, NTP, or IARC
Target Organs: All tissue (moderate to severe irritation), eyes, lungs, central nervous system, liver, kidneys.

Medical Conditions that May be Aggravated by Exposure: Respiratory diseases (e.g. bronchitis, asthma), liver, kidney and central nervous system disorders.

SECTION 12: Ecological Information

Ecotoxicity: NDA **Environmental Fate:** NDA

SECTION 13: Disposal Considerations

This material (as packaged) may be considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: Transport Information

DOT Hazard Description: Combustible liquid, n.o.s., combustible liquid, NA1993, PGIII

This shipping description is only valid for use within the United States of America.

SECTION 15: Regulatory Information

Chemical Inventories: The components of this product listed in Section 2 are listed on the TSCA Inventory List, the DSL/NDSL and the EINECS.

Reportable Quantities (RQ) (40 CFR table 302.4):

Naphthalene (CAS#91-20-3)	100 lbs (45.4 kgs)
Dodecylbenzyl sulfonic acid (CAS# 27176-87-0)	1000 lbs (454 kgs)
Potassium hydroxide (CAS# 1310-58-3)	1000 lbs (454 kgs)

SARA TITLE III (Superfund Amendments and Reauthorization Act):
Section 302 Extremely Hazardous Materials (40 CFR 355): None listed

Sections 311/312 Hazard Categories (40 CFR 370):

Immediate (Acute) Health Effects:	YES
Delayed (Chronic) Health Effects:	YES
Fire Hazard:	YES
Sudden Release of Pressure Hazard:	NO
Reactivity Hazard:	NO

Section 313 Toxic Chemical Release Reporting (40 CFR 372.65(a)): Naphthalene (CAS# 91-20-3), 1,2,4-trimethyl benzene (CAS# 95-63-6) and cyclohexanol (CAS# 108-93-0).

STATE REGULATORY INFORMATION: Since each state has the authority to promulgate standards more stringent than the federal government, this section cannot provide an inclusive list of all state regulations, which apply to this product. Questions related to state regulations should be directed toward local officials.

SECTION 16: Other Information

For additional information, refer to the 2000 North American Emergency Response Guidebook and the ACGIH Documentation of the Threshold Limit Values.

This information is provided in good faith, but without express or implied warranty.

This MSDS was prepared by Environmental Health & Safety, Inc., St. Paul, MN, 55116, USA